





MuseScore Sheet Music

MuseScore BVBA Windows, OSX, Ubuntu, Android, iOS





Recently showcased applications:



















Qt w Pythonie?



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What is PyQt?

PyQt is a set of Python v2 and v3 bindings for The Qt Company's Qt application framework and runs on all platforms supported by Qt including Windows, MacOS/X and Linux. PyQt5 supports Qt v5. PyQt4 supports Qt v4 and will build against Qt v5. The bindings are implemented as a set of Python modules and contain over 1,000 classes.

The Qt Company have announced that support for Qt v4 will cease at the end of 2015. PyQt5 and Qt v5 are strongly recommended for all new development.

PyQt is dual licensed on all supported platforms under the GNU GPL v3 and the Riverbank Commercial License. Unlike Qt, PyQt is not available under the LGPL. You can purchase the commercial version of PyQt here. More information about licensing can be found in the License FAQ.

PyQt does not include a copy of Qt. You must obtain a correctly licensed copy of Qt yourself. However, a binary Windows installers of the GPL version of both PyQt5 and PyQt4 are provided and this includes a copy of the LGPL version of Qt.

PyQt Components

A description of the components of PyQt5 can be found in the PyQt5 Reference Guide.

A description of the components of PyQt4 can be found in the PyQt4 Reference Guide.



Recent news

pyqtdeploy v1.1 Released

PyQt v5.5 Released

SIP v4.16.9 Released

PyQt v5.4.2 Released

PyQt v4.11.4

Downloads

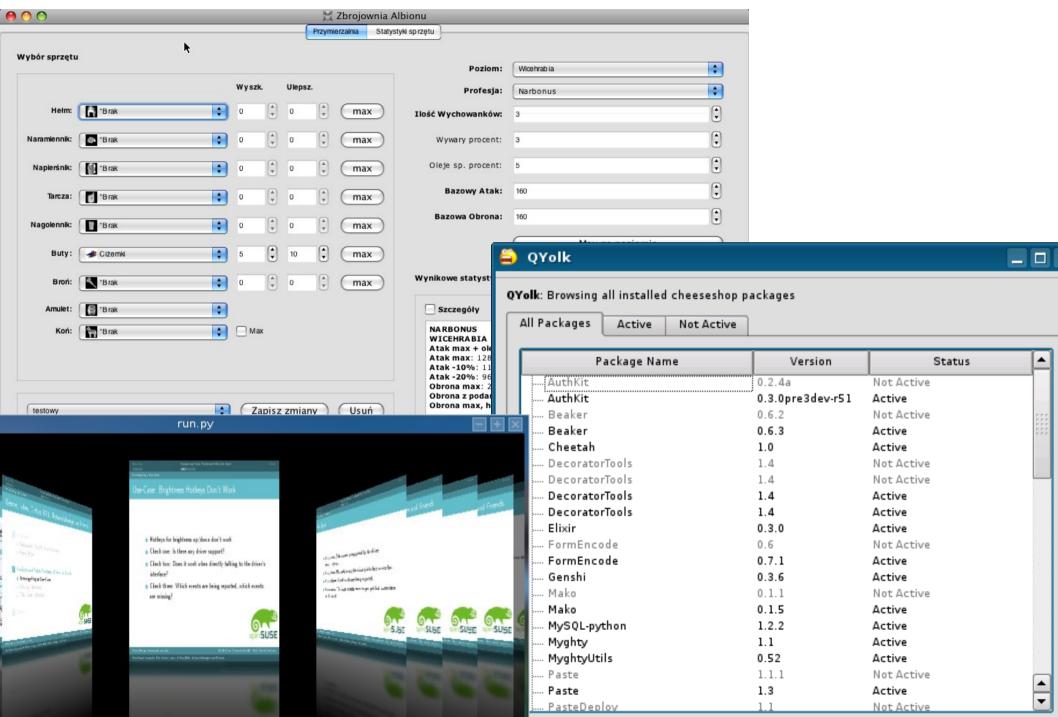
PyQt4

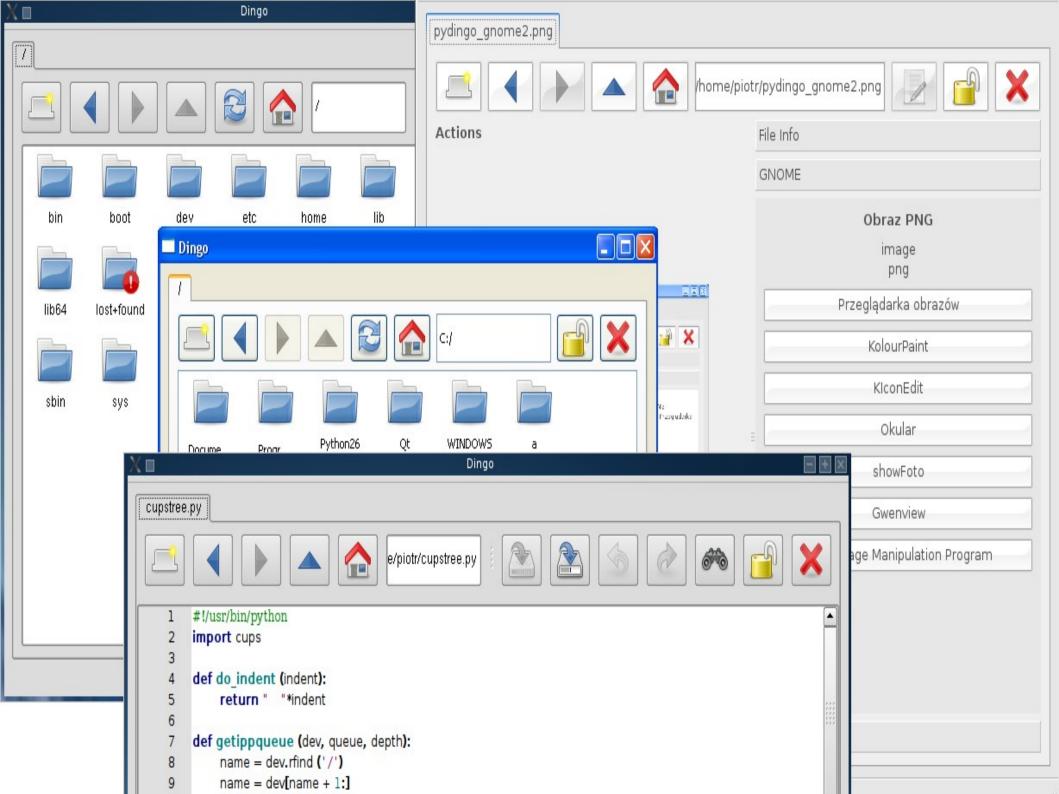
PyQt5

QScintilla2

eib

Na co to komu?









python-projects.org

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What is Eric?

Eric is a full featured Python and Ruby editor and IDE, written in python. It is based on the cross platform Qt gui toolkit, integrating the highly flexible Scintilla editor control. It is designed to be usable as everdays' quick and dirty editor as well as being usable as a professional project management tool integrating many advanced features Python offers the professional coder. eric includes a plugin system, which allows easy extension of the IDE functionality with plugins downloadable from the net.

Current stable version is eric6 based on PyQt5/4 (with Qt5/4) and Python 3 or Python 2.

Features

- ☑ Unlimited number of editors
- ✓ Configurable window layout
- ☑ Configurable syntax hilighting
- ✓ Sourcecode autocompletion
- ✓ Sourcecode calltips
- ✓ Sourcecode folding
- M Brace matching
- Error highlighting
- Advanced search functionality including project wide search and replace
- ☑ Integrated class browser
- Integrated version control interface for CVS, Subversion and Mercurial repositories (as plugins)
- ☑ Integrated cooperation functions (chat, shared editor)
- ☑ Integrated sourcecode documentation system
- Integrated python debugger including support to debug multithreaded and multiprocessing applications
- ✓ Integrated, full featured Ruby debugger
- ✓ Integrated profiling and code coverage support
- ☑ Integrated automatic code checkers (syntax, errors and style
 [PEP-8])

- ☑ Integrated task (todo items) management
- Advanced project management facilities
- ✓ Interactive Python shell including syntax hilighting and autocompletion
- ✓ Interactive Ruby shell including syntax hilighting and autocompletion
- Application diagrams
- M Running external applications from within the IDE
- ☑ Integrated unittest support
- ☑ Integrated CORBA support based on omniORB
- ☑ Integrated rope refactoring tool (as optional plugin)
- ☑ Integrated interface to cx_freeze (as optional plugin)
- ✓ Integrated interface to PyLint (as optional plugin)
- Many integrated wizards for regex and Qt dialogs (as plugins)
- Localizations. Currently Eric is available in English, German, French, Russian, Czech, Spanish, Italian, Turkish and Chinese.
- ✓ Tools for previewing Qt forms and translations
- Integrated web browser
- ☑ Integrated interface to the enchant spell checking library





http://pl.pycon.org/2015/agenda.html



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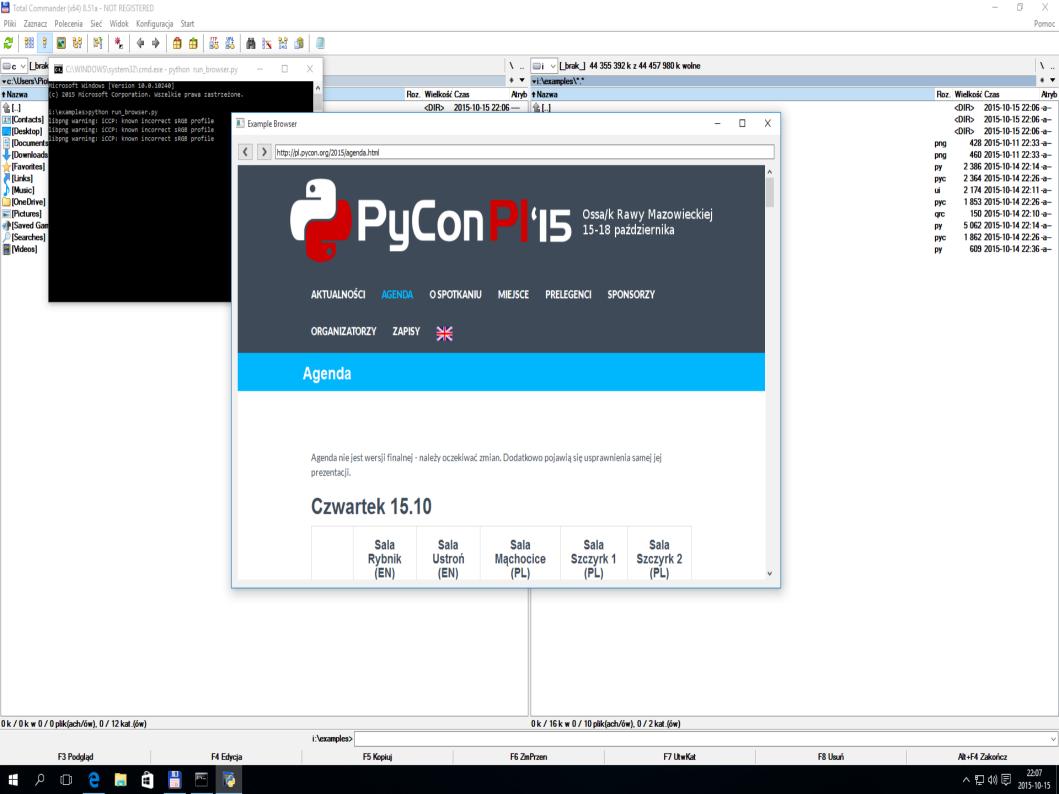


Agenda

Agenda nie jest wersji finalnej - należy oczekiwać zmian. Dodatkowo pojawią się usprawnienia samej jej prezentacji.

Czwartek 15.10

Rybnik Ustroń Mąchocice Szczyrk 1 Szczyrl (EN) (EN) (PL) (PL)		Ustroń Mąch		Sala Szczyrk 2 (PL)
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Rev 1 model B



Rev 2 model B (China)



Chinese Red Pi, Rev 2 model B



ARMUSBC



Rev 2 model B (UK)



Blue Pi, Rev 2 model B



Model A+



Model A



Compute Module



Model B+



RasPi.TV

mobile

http://modrana.org/pyconpl2013/python_and_qt_for_android.pdf

Android

Blackberry

Sailfish, Maemo, MeGoo, Mer

Tablety z MS Windows x86

pyqtdeploy

Linux Windows

Instalacja

OSX

Jak tworzy się aplikacje PyQt?

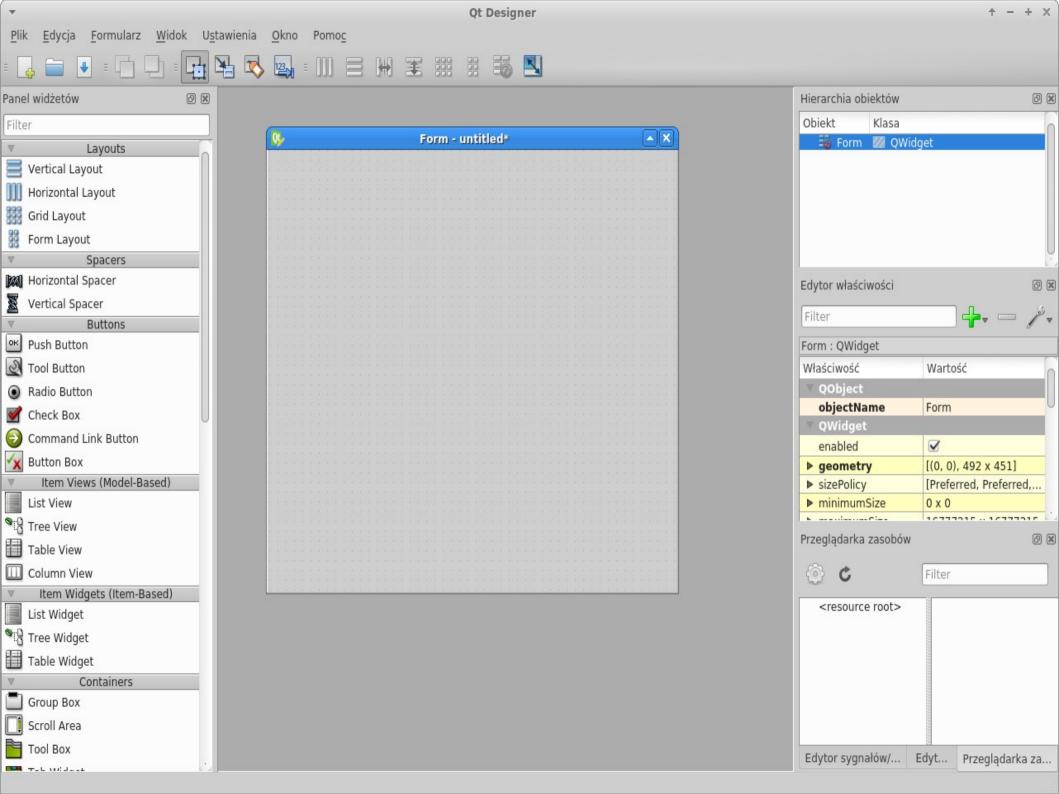


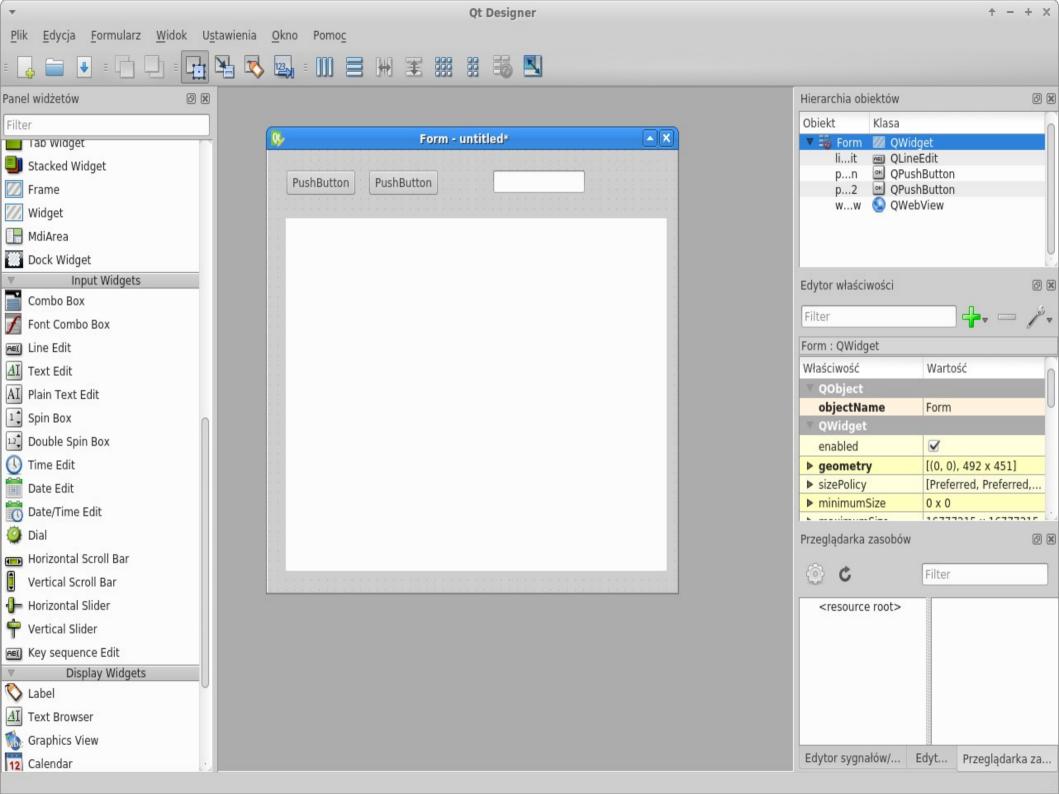
PyQt Class Reference

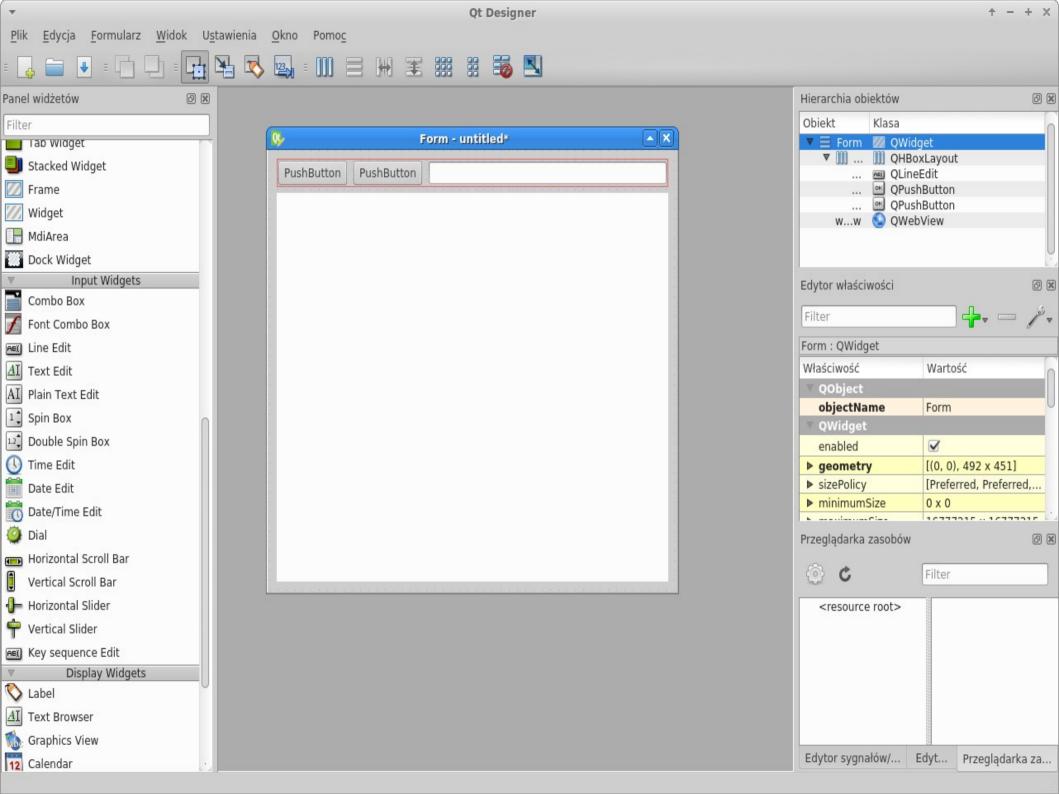
Portions of this documentation have been adapted from the documentation provided with Qt 4.8.7. This document is not an official document from The Qt Company, but is provided with The Qt Company's permission.

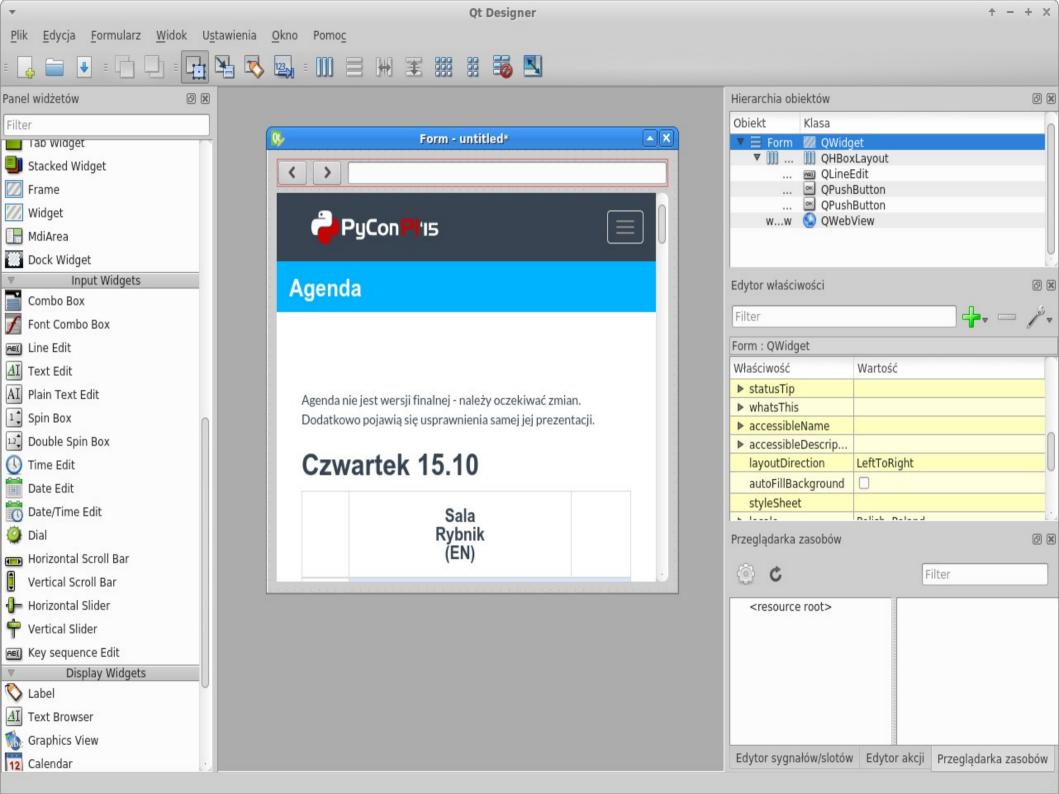
Because this is based on the Qt C++ documentation it still contains C++ code fragments, broken links etc. These will be fixed in future releases.

A QAbstractAnimation	QFont	QNetworkConfiguration	QStyleOptionSlider
QAbstractButton	QFontComboBox	QNetworkConfigurationManager	QStyleOptionSpinBox
QAbstractEventDispatcher	QFontDatabase	QNetworkCookie	QStyleOptionTab
QAbstractExtensionFactory	QFontDialog	QNetworkCookieJar	QStyleOptionTabBarBase
QAbstractExtensionManager	QFontInfo	QNetworkDiskCache	QStyleOptionTabBarBaseV2
QAbstractFileEngine	QFontMetrics	QNetworkInterface	QStyleOptionTabV2
QAbstractFileEngineHandler	QFontMetricsF	QNetworkProxy	QStyleOptionTabV3
QAbstractFileEngineIterator	QFormBuilder	QNetworkProxyFactory	QStyleOptionTabWidgetFrame
QAbstractFormBuilder	QFormLayout	QNetworkProxyQuery	QStyleOptionTabWidgetFrameV2
QAbstractGraphicsShapeItem	QFrame	QNetworkReply	QStyleOptionTitleBar
QAbstractItemDelegate	QFSFileEngine	QNetworkRequest	QStyleOptionToolBar
QAbstractItemModel	QFtp	QNetworkSession	QStyleOptionToolBox
QAbstractItemView	G QGenericArgument	O QObject	QStyleOptionToolBoxV2
QAbstractListModel	QGenericReturnArgument	QObjectCleanupHandler	QStyleOptionToolButton
QAbstractMessageHandler	QGesture	P QPageSetupDialog	QStyleOptionViewItem
QAbstractNetworkCache	QGestureEvent	QPaintDevice	QStyleOptionViewItemV2
QAbstractPrintDialog	QGestureRecognizer	QPaintEngine	QStyleOptionViewItemV3
QAbstractProxyModel	QGL	QPaintEngineState	QStyleOptionViewItemV4
QAbstractScrollArea	QGLBuffer	QPainter	QStylePainter
QAbstractSlider	QGLColormap	QPainterPath	QSvgGenerator
QAbstractSocket	QGLContext	QPainterPathStroker	QSvgRenderer
QAbstractSpinBox	QGLFormat	QPaintEvent	QSvgWidget
QAbstractState	QGLFramebufferObject	QPalette	QSwipeGesture
QAbstractTableModel	QGLFramebufferObjectFormat	QPanGesture	QSyntaxHighlighter
QAbstractTextDocumentLayout	QGLPixelBuffer	QParallelAnimationGroup	QSysInfo
QAbstractTransition	QGLShader	QPauseAnimation	QSystemLocale
QAbstractUriResolver	QGLShaderProgram	QPen	QSystemSemaphore
QAbstractVideoBuffer	QGLWidget	QPersistentModelIndex	QSystemTrayIcon
QAbstractVideoSurface	QGlyphRun	Phonon	T Qt
QAbstractXmlNodeModel	QGradient	QPicture	QTabBar









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Agenda

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Czwartek 15.10

a code review

	Sala Rybnik (EN)	Sala Ustroń (EN)	Sala Mąchocice (PL)	Sala Szczyrk (PL)		
14:00		Rejestracja Opcjonalny obiad				
15:00	Rejestracja					
16:00			Otwa	arcie		
16:30	L. van Houtven Object capability security					
17:30	R. Dopieralski Why do you need	Z. Hemel Navigating the	D. Śmigiel HowTo re	Sz. Pyżalski Python		

niesekwencyjny

Główni sponsorzy









Narzędzia

pyuic pyrcc pylupdate

Kod szkieletowy

```
import sys
from PyQt5 import QtWidgets
import browser as ui
class MyBrowserApplication(QtWidgets.QWidget):
  def __init__(self, parent=None):
    QtWidgets.QWidget.__init__(self, parent)
    self.ui = ui.Ui_Browser()
    self.ui.setupUi(self)
if __name__ == "__main__":
  app = QtWidgets.QApplication(sys.argv)
  myapp = MyBrowserApplication()
  myapp.show()
  sys.exit(app.exec ())
```

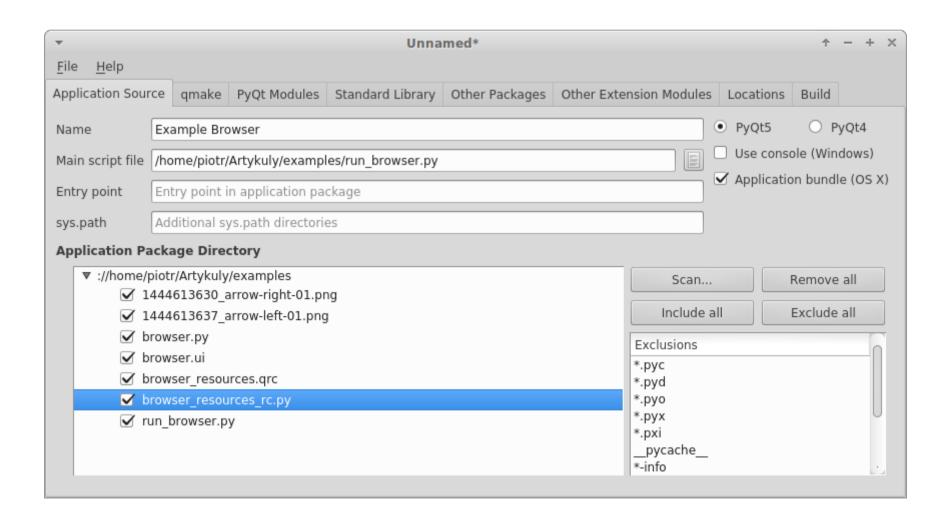
Sygnał i slot

```
class MyBrowserApplication(QtWidgets.QWidget):
  def __init__(self, parent=None):
    QtWidgets.QWidget.__init__(self, parent)
    self.ui = ui.Ui Browser()
    self.ui.setupUi(self)
    self.ui.urlBar.returnPressed.connect(self._load_page)
  def _load_page(self):
    url = QtCore.QUrl(self.ui.urlBar.text())
    self.ui.webView.setUrl(url)
if __name__ == "__main__":
  app = QtWidgets.QApplication(sys.argv)
  myapp = MyBrowserApplication()
  myapp.show()
  sys.exit(app.exec_())
```

Budowanie

py2exe

py2app



Książki, zasoby

Rapid GUI Programming with Python and Qt http://www.qtrac.eu/pyqtbook.html

GUI Programming with Python: QT Edition https://www.commandprompt.com/community/pyqt/

PyQt

https://riverbankcomputing.com/software/pyqt/intro

PySide

http://pyside.github.io

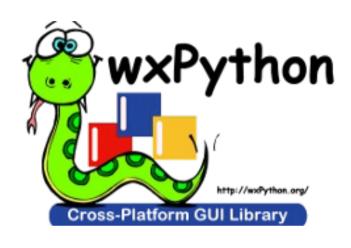
Dokumentacja

http://pyqt.sourceforge.net/Docs/PyQt5/

Konkurencja











Pytania?